Tricia L. Holman

see projects at portfolio: https://stormy9.github.io/

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Education

Western Oregon University

Applied Baccalaureate of Science → Computer Science

2017 ↔ 2020   GPA==3.6

2018\19: Edward B. Wright Computer Science Scholarship

Chemeketa Community College

Associate of Science, Computer Systems & Information Technology

2015 ↔ 2017   GPA==3.9

Languages + Frameworks

→ **C# + LINQ + Razor**

→ **ASP.NET \ MVC5**
  → **entity \ identity**

→ **HTML5 + CSS3 + the DOM**
  → **responsive design**

→ **BootStrap**

→ **JavaScript / jQuery**

→ **AJAX + REST API's**

→ **PHP**

→ **Database:**
  → **SQL\T-SQL + DDL**
  → **mySQL**
  → **mongoDB + Firebase**
  → **Oracle APEX**
  → **MS-SQL Server**

WOU Senior Project

Software Engineering I + II + III

Petopia: Team Nerdvana \ Capstone Project \ Senior Sequence

A Pet Care web application for Pet Owners to find Pet Care Providers, and for Pet Lovers to earn income by registering as a Pet Care Provider.

Features: User registration & login … role selection … profile creation for Pet Owners, Pets, & Care Providers … photo handling … Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations and on-site notifications for both parties … Pet Owner⇔Care Provider ratings & comments … Pet Badges … proximity finder … payment processing API… security checks so only the right people can access certain pages… input validations.

As a team, developed algorithm combining proximity + rating + badges to calculate a user score to recommend Pet Care Providers to Pet Owners.

Practiced Disciplined Agile Delivery for Inception & Construction … developed Epics, User Stories, Tasks … used Pivotal Tracker to plan\track sprints … used Git(Hub) for version control & collaboration.

other projects from college career

Database Management

Term project: designed & developed relational database for fictional "Happy Tails Dog Walkers", using MS Access & writing DDL/SQL… multiple tables, forms, queries, reports – plus friendly user interface and all documentation, user guide, and ERDs. (*project=100% – class=98.7%*)

Systems Analysis

Term project: developed & documented plans, business rules, user stories, and diagrams\modeling to build "Happy Tails" into a web app… designed to augment & complement existing database app, evolving Happy Tails into a fully functional, responsive, intuitive, user-friendly web presence.   (*project=100% – class=99%*)

Web Application Development

Term project: re-worked a (purposely) poorly designed\developed web app into a responsive, functional, attractive design… including database interaction with user registration\log-in and site security using SQL & PHP.   (*project=100% – class=96.7%*)

Computer Science II ~ Java

Final project: designed/coded mini "shopping" app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks and exception handling. First experience with Java (skipped CS I).   (*project=100% – class=97.6%*)

- ➔ **Python + pipenv \ Flask**
- ➔ **Java \ OOP**
- ➔ **XML + JSON & YAML**
  - ➔ **markdown too**
- ➔ **VisualBasic … Haskell**

more…

- ➔ **Git \ GitHub + Bash**
- ➔ **Postman \ cURL \ Insomnia**
- ➔ **Redis + Celery**
- ➔ **nginx \ load balancing**
- ➔ **Swagger + connexion**
- ➔ **Azure web apps + DB**
- ➔ **AWS VM + DB**
- ➔ **Heroku**
- ➔ **software/unit testing**
  - ➔ **pytest + coverage**
  - ➔ **html \ css validation**
- ➔ **VisualStudio … Eclipse … LINQ-pad**
  - ➔ **lots of editors!**
- ➔ **Linux OS's**
  - ➔ **Bash**

post-grad fun…

- ➔ **node.js**
- ➔ **react**
- ➔ **angular**
- ➔ **ASP.NET core**
  - ➔ **building an API**

Information Management

Final [team] project: collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL… comprising multiple tables, forms, queries, and reports – plus user interface; drafted all documentation, modeling\ERDs, and user guide. (*project=100% – class=97%*)

Microservices Architecture

Term project: extracted activity logging as a microservice from a monolithic web app "Wolfit" (*developed for our class*)… self-taught python on the fly… project included pytest+coverage, mongoDB, writing & calling RESTful APIs, load balancing with nginx, handling asynchronous calls with redis+celery, using swagger+connexion for API management… on AWS VM + Linux via Chromebook!

(*project graded incrementally – class=92%*)

Own / Operate Business
Stormcloud Enterprises ~ Independent Contractor
Mystery Shopping/Auditing ~ October 2010 to September 2015

- ➔ Successfully completed 1600+ undercover and revealed audits at dozens of businesses in Northwest Oregon
- ➔ Memorized and carried out a variety of complex scenarios to accurately fulfill shop/audit requirements
- ➔ Through objective observations and personal interactions, evaluated and documented customer service, facilities, inventory, presentation, and promotional materials while remaining unnoticed.
- ➔ Produced professional, comprehensive reports per each client's specifications; prepared required documentation and evidence (including photos), in 12 to 24 hour turnaround timeframe.
- ➔ Set and managed work schedule; developed spreadsheet to track audits, clients, locations, dates/times, hours, mileage/drive-time, supplies, payments/reimbursements pending and received, tax data.
- ➔ Evaluations/reports consistently scored 9 to 10 out of 10 thus attaining preferred status for preferred assignments.

Receptionist / Phone Operator
Business Connections Answering Service
Summer job ~ April to September 2018

- ➔ While doing Discrete Math in a summer intensive at WOU!
- ➔ Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume Sundays but increased caller interaction\service
- ➔ Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police calls; county\city public service lines, various professional services.